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IN THE DRAWINGS

Applicant acknowledges that the Draftsperson has objected to the drawings under 37 CFR § 1.84(l). Applicant will submit formal drawings upon receiving an indication of allowable subject matter.

PENDING CLAIMS

- 1 1. A method for performing motion estimation comprising:
 - 2 receiving a stream of data comprising one or more bidirectionally interpolated frames (B-
 - 3 frame) and a plurality of anchor frames; and
 - 4 unidirectionally predicting content of each B-frame from a temporally closest anchor
 - 5 frame.
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- 1 2. The method of claim 1, wherein the content of the B-frames is unidirectionally predicted
- 2 from the content of the temporally closest anchor frame and one or more motion vectors.
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- 1 3. The method of claim 2, wherein the one or more motion vectors represent an activity
- 2 measure of the temporally closest anchor frame.
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- 1 4. The method of claim 3, wherein the motion vector is determined by a sum of absolute
- 2 differences in activity within the temporally closest anchor frame.
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- 1 5. The method of claim 1, wherein the temporally closest anchor frame selected to
- 2 unidirectionally predict the content of the B-frame may either precede or supersede the B-frame.
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1 6. The method of claim 1, wherein the plurality of anchor frames and B-frames contain
2 progressive video content.

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1 7. The method of claim 1, wherein the plurality of anchor frames and B-frames contain
2 interlaced video content.

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1 8. An apparatus comprising:
2 a motion estimation circuit to receive one or more bidirectionally interpolated frames (B-
3 frame) and a plurality of anchor frames, and to unidirectionally predict content of each of the
4 plurality of B-frames from a select anchor frame.

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1 9. The apparatus of claim 8, wherein the motion estimation circuit predicts the content for
2 each B-frame from a temporally closest anchor frame.

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1 10. The apparatus of claim 8, wherein the motion estimation circuit generates a motion vector
2 based, at least in part, on the selected anchor frame.

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1 11. The apparatus of claim 10, wherein the motion vector represents an activity measure of
2 the anchor frame.

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1 12. The apparatus of claim 10, wherein the motion estimation circuit generates the motion
2 vector from a sum of absolute differences in activity within the anchor frame.

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1 13. The apparatus of claim 10, wherein the motion estimation circuit unidirectionally predicts
2 the content of B-frames from a temporally closest anchor frame and one or more motion vectors
3 generated therefrom.

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1 14. The apparatus of claim 13, wherein the motion estimation circuit generates the one or
2 more motion vectors from a sum of absolute differences in activity within the temporally closest
3 anchor frame.

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1 15. The apparatus of claim 8, wherein the motion estimation circuit utilizes either a preceding
2 or superseding anchor frame to predict B-frame content, depending on which is temporally closer
3 to the B-frame.

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1 16. (Amended) A storage medium comprising a plurality of executable instructions which,
2 when executed, cause an executing processor to implement a motion estimation function to
3 unidirectionally predict content of each of a plurality of received bidirectionally interpolated
4 frames (B-frames) from a select anchor frame.

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1 17. The storage medium of claim 16, wherein the motion estimation function utilizes either a
2 preceding or superseding anchor frame to predict B-frame content, depending on which is
3 temporally closer to the B-frame.

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